

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. JSF001-0002/WJT08-0053

First Inventor Mohammed Mahbubur Rahman

Title LTCC BASED ELECTRONICALLY TUNABLE
MULTILAYER MICRO

Express Mail Label No. EV 283041638 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 21]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 9]
5. Oath or Declaration [Total Pages]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Attorney
(when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____ / _____

Prior application information:

Examiner: _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

Name James S. Finn

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James S. Finn

Registration No. (Attorney/Agent)

38,450

Signature

Date

01/14/2004

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FEE TRANSMITTAL
for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 448.00**Complete if Known**

| | |
|----------------------|--------------------------|
| Application Number | |
| Filing Date | January 14, 2004 |
| First Named Inventor | Mohammed Mahbubur Rahman |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | JSF01-0002/WJT08-0053 |

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:
 Deposit Account Number
502697
 Deposit Account Name

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|---------------------|
| 1001 750 | 2001 375 | Utility filing fee | 385.00 |
| 1002 330 | 2002 165 | Design filing fee | |
| 1003 520 | 2003 260 | Plant filing fee | |
| 1004 750 | 2004 375 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | (\$) 385.00 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | | | | | | |
|--------------------|----|--------------|----|----------------|---|----------|----|
| Total Claims | 27 | Extra Claims | 27 | Fee from below | 9 | Fee Paid | 63 |
| Independent Claims | 3 | - 3** = | 0 | | 0 | | 0 |
| Multiple Dependent | | | | | | | |

| <u>Large Entity</u> | | <u>Small Entity</u> | | <u>Fee Description</u> |
|---------------------|----------|---------------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|---------------|---------------|--|----------|
| 1051 130 | 2051 65 | 1052 50 | 2052 25 | Surcharge - late filing fee or oath | |
| 1053 130 | 1053 130 | 1812 2,520 | 1812 2,520 | Surcharge - late provisional filing fee or cover sheet | |
| 1804 920* | 1804 920* | 1805 1,840* | 1805 1,840* | Non-English specification | |
| 1251 110 | 2251 55 | 1805 1,840* | 1805 1,840* | For filing a request for <i>ex parte</i> reexamination | |
| 1252 410 | 2252 205 | 1805 1,840* | 1805 1,840* | Requesting publication of SIR prior to Examiner action | |
| 1253 930 | 2253 465 | 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | |
| 1254 1,450 | 2254 725 | 1805 1,840* | 1805 1,840* | Extension for reply within first month | |
| 1255 1,970 | 2255 985 | 1805 1,840* | 1805 1,840* | Extension for reply within second month | |
| 1401 320 | 2401 160 | 1805 1,840* | 1805 1,840* | Extension for reply within third month | |
| 1402 320 | 2402 160 | 1805 1,840* | 1805 1,840* | Extension for reply within fourth month | |
| 1403 280 | 2403 140 | 1805 1,840* | 1805 1,840* | Extension for reply within fifth month | |
| 1451 1,510 | 1451 1,510 | 1805 1,840* | 1805 1,840* | Notice of Appeal | |
| 1452 110 | 2452 55 | 1805 1,840* | 1805 1,840* | Filing a brief in support of an appeal | |
| 1453 1,300 | 2453 650 | 1805 1,840* | 1805 1,840* | Request for oral hearing | |
| 1501 1,300 | 2501 650 | 1805 1,840* | 1805 1,840* | Petition to institute a public use proceeding | |
| 1502 470 | 2502 235 | 1805 1,840* | 1805 1,840* | Petition to revive - unavoidable | |
| 1503 630 | 2503 315 | 1805 1,840* | 1805 1,840* | Petition to revive - unintentional | |
| 1460 130 | 1460 130 | 1805 1,840* | 1805 1,840* | Utility issue fee (or reissue) | |
| 1807 50 | 1807 50 | 1805 1,840* | 1805 1,840* | Design issue fee | |
| 1806 180 | 1806 180 | 1805 1,840* | 1805 1,840* | Plant issue fee | |
| 8021 40 | 8021 40 | 1805 1,840* | 1805 1,840* | Petitions to the Commissioner | |
| 1809 750 | 2809 375 | 1805 1,840* | 1805 1,840* | Processing fee under 37 CFR 1.17(q) | |
| 1810 750 | 2810 375 | 1805 1,840* | 1805 1,840* | Submission of Information Disclosure Stmt | |
| 1801 750 | 2801 375 | 1805 1,840* | 1805 1,840* | Recording each patent assignment per property (times number of properties) | |
| 1802 900 | 1802 900 | 1805 1,840* | 1805 1,840* | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| | | 1805 1,840* | 1805 1,840* | For each additional invention to be examined (37 CFR 1.129(b)) | |
| | | 1805 1,840* | 1805 1,840* | Request for Continued Examination (RCE) | |
| | | 1805 1,840* | 1805 1,840* | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**SUBMITTED BY**

| | | | | | |
|-------------------|---------------|-----------------------------------|------------|-----------|--------------|
| Name (Print/Type) | James S. Finn | Registration No. (Attorney/Agent) | 38,450 | Telephone | 202-607-4607 |
| Signature | | Date | 01/14/2004 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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